

ITN

PTO/SB/21 (09-04)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/822,528
		Filing Date	April 12, 2004
		First Named Inventor	WANG, Daxiang
		Art Unit	1621
		Examiner Name	PARSA, Jafar F.
Total Number of Pages in This Submission	6	Attorney Docket Number	1856-17802 (9407.A-01)

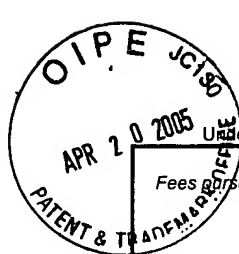
ENCLOSURES <i>(check all that apply)</i>		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> <i>Form PTO-1449; acknowledgment postcard</i>
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm	CONLEY ROSE, P. C.	
Signature		
Printed name	Jeffrey L. Johnson	
Date	April 18, 2005	Reg. No. 53,078

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or Printed Name	Nanci D. Mohr		
Signature		Date	April 18, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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Effective on 12/08/04.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2005**Complete if Known**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$180.00)

Application Number	10/822,528
Filing Date	April 12, 2004
First Named Inventor	WANG, Daxiang
Examiner Name	PARSA, Jafar F.
Art Unit	1621
Attorney Docket No.	1856-17802 (9407.A-01)

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____☒ Deposit Account Deposit Account Number: **03-2769** Deposit Account Name: **Conley Rose, P.C.**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____ - 20 or HP = _____	x _____	= _____	_____	_____	_____	_____
HP = highest number of total claims paid for, if greater than 20						
<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>			
_____ - 3 or HP = _____	x _____	= _____	_____			
HP = highest number of independent claims paid for, if greater than 3						

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____ - 100 = _____	/ 50 = _____	(round up to a whole number) x _____	= _____	_____

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): INFORMATION DISCLOSURE STATEMENT**Fees Paid (\$)****\$180.00****SUBMITTED BY**

Signature		Registration No. (Attorney/Agent)	53,078	Telephone	(713) 238-8000
Name (Print/Type)	Jeffrey W. Johnson	Date	April 18, 2005		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Daxiang Wang, et al.	§	Group Art Unit:	1621
Serial No.:	10/822,528	§	Examiner:	Jafar F. Parsa
Filed:	April 12, 2004	§	Atty. Docket No.:	1856-17802
For:	Selective Removal Of Oxygen From Syngas	§	Client Ref. No.:	9407-A-01
		§		

INFORMATION DISCLOSURE STATEMENT

Atty. Dkt. No.: 1856-17802 (9407.A-01)
Date: April 18, 2005

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of pertinent art of which Applicants are aware.

The submission of this Information Disclosure Statement and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation, that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

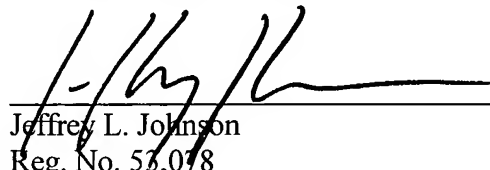
Consideration of the following related applications and additional information (including any relevant co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested: Application Serial No. 60/353,822 filed on January 31, 2002, entitled Oxygen Selective Membrane To Remove Oxygen From Syngas, 60/353,774 filed on March 12, 2002, entitled Oxygen Selective Membrane To Remove Oxygen From Syngas and Application Serial No. 10/219,108 filed on August 15, 2002, entitled Selective Removal of Oxygen From Syngas.

Pursuant to 37 C.F.R. § 1.98 (d), copies of certain publications, or other information, as specified in 37 C.F.R. § 1.98 (a), listed in the attached Form PTO-1449 are not provided

herewith, as they have been previously submitted to, or cited by, the Office in the above-mentioned earlier U.S. Patent Application(s). The Information Disclosure Statement filed in the earlier application(s) complies with 37 C.F.R. § 1.98 (a)-(c).

Because an Office Action has been entered in this case, this Information Disclosure Statement is being filed under C.F.R. 1.97(c). Applicant hereby authorizes the Commissioner to charge Deposit Account 03-2769 of Conley Rose, P.C. the amount of \$180 so that this Information Disclosure Statement may be considered.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'J. L. Johnson', is written over a horizontal line.

Jeffrey L. Johnson

Reg. No. 53,078

CONLEY ROSE, P.C.

P. O. Box 3267

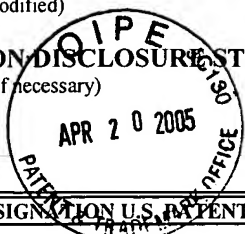
Houston, Texas 77253-3267

(713) 238-8000

ATTORNEY/AGENT FOR APPLICANT

Atty. Docket No.
1856-17802
(9407.A-01)Serial No.
10/822,528**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant
Daxiang Wang et al.Filing Date
April 12, 2004Group
1621**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AA	3,996,105	12/07/1976	Harrison et al.	195	28	
	AB	4,269,940	05/26/1981	Patel et al.	435	148	
	AC	4,318,784	03/09/1982	Higgins et al.	204	73	
	AD	4,587,216	05/06/1986	Patel et al.	435	123	
	AE	4,827,043	05/02/1989	Butler	568	492	
	AF	5,128,060	07/07/1992	Ueno et al.	252	184	
	AG	5,192,672	03/09/1993	Lipscomb	435	155	
	AH	5,453,211	09/26/1995	Alward	252	45	
	AI	5,714,379	02/03/1998	Phipps, Jr.	435	266	
	AJ	5,730,003	03/24/1998	Nguyen et al.	62	648	
	AK	5,958,757	09/28/1999	Steffan et al.	435	262.5	
	AL	5,985,649	11/19/1999	Stensel et al.	435	266	
	AM	6,019,810	02/01/2000	Phillips et al.	55	512	
	AN	6,043,288	03/28/2000	DeGeorge et al.	518	715	
	AO	6,103,773	08/15/2000	Wittenbrink et al.	518	702	
	AP	6,147,126	11/14/2000	DeGeorge et al.	518	715	
	AQ	6,169,120	01/02/2001	Beer	518	715	
	AR	6,254,946	07/03/2001	Hirata et al.	428	35.2	
	AS	6,277,338	08/21/2001	Agee et al.	422	189	
	AT	6,369,148	04/09/2002	Chiang et al.	524	417	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	Structured Catalysts and Reactors, A. Cyulski and J.A. Moulijn (eds.), Marcel Dekker Inc., 1998 (p. 599-615)
AV	U. Balachandran et al., <i>Dense Ceramic Membranes for Partial Oxidation of Methane to Syngas</i> , Applied Catalysis A: General 133, 1995 (p. 19-29)
AW	Jonghee Han et al., <i>Oxygen Permeation Through Flourite-Type-Bismuth-Yttrium-Copper Oxide Membranes</i> , Journal of Membrane Science, 132 (1997) p. 235-243
AX	H.J.M. Bouwmeester et al., <i>Oxygen Semipermeability of Erbium-Stabilized Bismuth Oxide</i> , Solid State Ionic, 53-56 (1992) p. 460-468
AY	Shenglin Liu et al., <i>Effects of Alkali and Rare Earth Metal Oxides on the Thermal Stability and the Carbon-Deposition over Nickel Based Catalyst</i> , Study of Surface Science and Catalyst, 119 (1998) p. 747-52
AZ	Chung-Yi Tsai et al., <i>Dense Perovskite, La_{1-x}A_xFe_{1-y}Co_yO_{3-δ} (A=Ba,Sr,Ca), Membrane Synthesis, Applications and Characterization</i> , J. Am. Ceram. Soc. 81 [6] p. 1437-1444 (1998)
BA	L.M. van der Haar et al., <i>Homogeneous Porous Perovskite Supports for Thin Dense Oxygen Separation Membranes</i> , Journal of Membrane Science, 180 (2000) p. 147-155
BB	Schulz et al., <i>Applied Catalyst Volume 186 Nos. 1,2 October 1999 (229 p).</i>

EXAMINER**DATE CONSIDERED**

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Atty. Docket No. 1856-17802 (9407-A-01)		Serial No. 10/822,528	
						Applicant Daxiang Wang et al.			
						Filing Date April 12, 2004		Group 1621	
REFERENCE DESIGNATION U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
	BC	3,812,035	05/21/1974	<i>Krenowicz et al.</i>	252	59			
	BD	4,800,189	01/24/1989	<i>Eschwey et al.</i>	502	400			
	BE	5,446,232	08/29/1995	<i>Chen et al.</i>	585	845	02/14/1994		
	BF	5,484,580	01/16/1996	<i>Sharma</i>	423	219	01/19/1994		
	BG	5,607,572	03/04/1997	<i>Joshi</i>	205	763	03/21/1995		
	BH	6,025,305	02/15/2000	<i>Aldrich et al.</i>	508	110	08/04/1998		
	BI	6,287,653	09/11/2001	<i>Speer et al.</i>	428	35.4	03/05/1999		
	BJ	6,351,971	03/05/2002	<i>Nguyen et al.</i>	62	648	12/29/2000		
	BK	6,376,434	04/23/2002	<i>Katafuchi</i>	508	291	10/23/1997		
FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation		
							YES	NO	
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)									
	BL	Guoxing Xiong, Hui Dong, Zongping Shao, Jianhua Tong, Shishan Sheng, Weishen Yang, <i>International Conference on Catalytic Membrane Reactors-2000</i> , 25-26							
EXAMINER				DATE CONSIDERED					
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.									